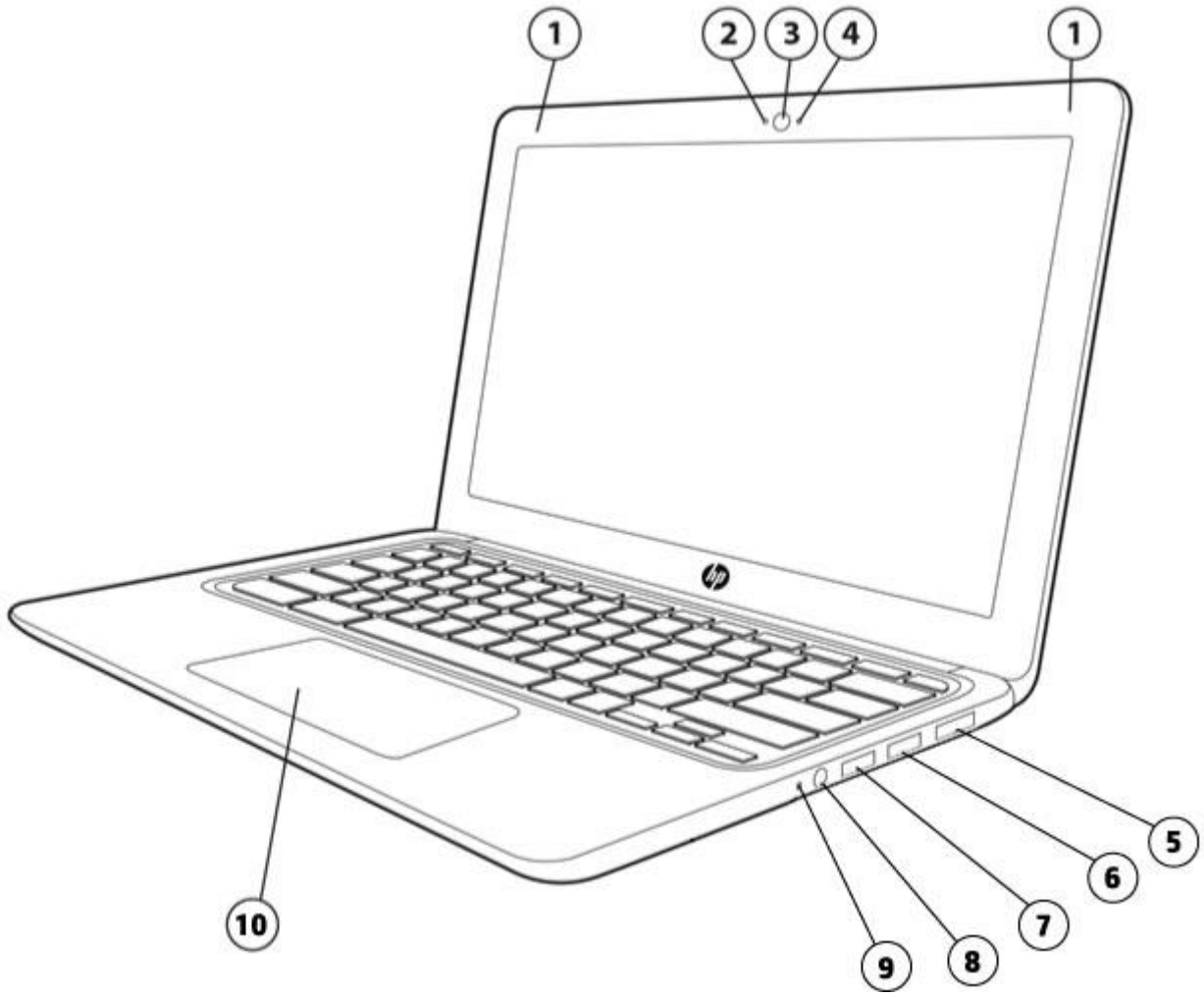
Overview

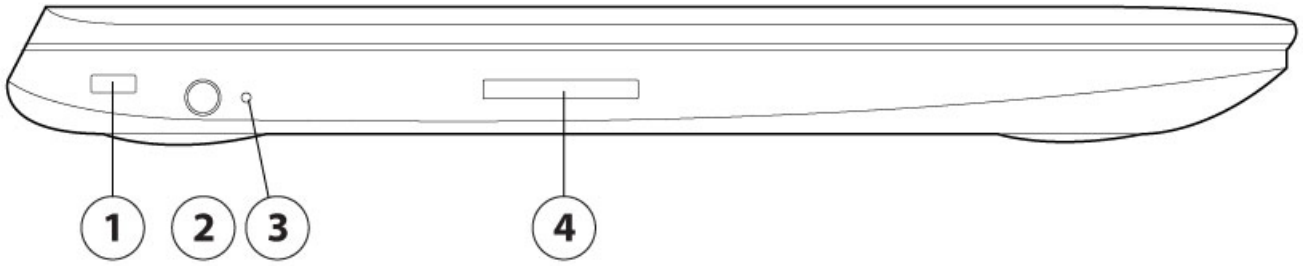
HP Chromebook 11 G3



Front Right View

1. WLAN antennas
2. Microphone
3. Webcam lens
4. Webcam LED
5. HDMI
6. 3.0 USB charging port
7. 2.0 USB port
8. Headphone/Microphone combo
9. Power LED
10. Touch pad

Overview



Left View

1. Security lock slot
2. AC Smart Pin adapter plug (4.5mm barrel)
3. AC Plug LED
4. Media Card reader

Overview

AT A GLANCE

- Make any space your office with the lightweight and mobile Chromebook 11. The 11.6" diagonal HD WLED anti-glare display and 2.83 lbs. (1.28 kg) weight keep you productive on the go without weighing down your messenger bag or taking up space.
- Starting up is amazingly quick. Your Chromebook boots up within seconds and you can be browsing online and working in Google Apps just moments later.
- Enjoy affordable, convenient mobile productivity with Intel® processors.
- Up to 9.5 hours of battery life to comfortably last the entire school day.
- Working on a Chromebook is fast, smooth and intuitive, whether you're writing a document, sending an email or browsing the internet. Chrome OS™ provides a maintenance-free experience with automatic software and security updates.
- Chromebooks come with your favorite Google products built-in so you can work, play and do whatever you want, right out of the box. And the growing Chrome Web Store offers thousands of free apps, themes, and extensions to help you make the most of your Chromebook - including customized apps and extensions for education and business environments.
- Enjoy your Chromebook experience even more with Bluetooth 4.0 connectivity to your wireless keyboard and mouse
- Store up to 100 GB of your files and content with complimentary Google Drive. Your own virtual hard drive is available anywhere the Internet is accessible with this complimentary two year promotion.
- Purchase with confidence with a limited 1-year warranty and 3-year extended service available with optional HP Care Services.

NOTE: See important legal disclosures for all listed specs in their respective features sections.

Features

PRODUCT NAME

HP Chromebook 11 G3

OPERATING SYSTEM

Preinstalled Chrome OS™

PROCESSOR

Intel® Celeron N2830, (2.16 GHz, turbo up to 2.41 GHz, 1 MB 1333 MHz L2 cache, 2 cores)
Intel® Celeron N2840, (2.16 GHz, tubro up to 2.58 GHz, 1MB 1333 MHz L2 cache, 2 cores)
* Multi-Core is designed to improve performance of certain software products. Not all customers or software apps may benefit from use of this technology. 64-bit computing system required. Performance will vary depending on your hardware and software. Intel's numbering is not a measurement of clock speed.

CHIPSET

Integrated SoC PCH

GRAPHICS

Intel® HD Graphics
- Support HD Decode, DX11, and HDMI

DISPLAY

Internal
11.6" diagonal HD* WLED anti-glare (1366x768) SVA, 220 nits, eDP

External
HDMI v1.4b supports up to 1080p, 1920 x 1080 at 60 Hz

* High definition (HD) content is required to view high-definition images.

NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

STORAGE AND DRIVES

Solid State Drive
16 GB embedded Multi Media Card*

*5.1GB of the eMMC are dedicated/allocated to the Chrome OS™ partition.

Cloud Storage
Store up to 100 GB with Google Drive (2-year subscription included)*

* This offer is tied to this device and is non-transferable. If this device is returned, the extra storage will be revoked. In order to redeem this offer, you will need to be on Chrome OS™ 23 or later. Internet access is required and not included.

Features

Additional information about storage plan refunds, renewals, cancellations and expiration is available at the Google website: https://support.google.com/chromebook/answer/2703646?hl=en

MEMORY

Standard
DDR3L SDRAM Single Channel (1333 MHz) for 2 GB Memory
DDR3L SDRAM Dual Channel (1333 MHz) for 4 GB Memory
Standard memory 2048 MB (4 pcs of 256 MB x 16) or 4096 MB (8 pcs of 256 MB x 16)
Supports up to 4 GB max on-board system memory

NETWORKING/COMMUNICATIONS

Wireless LAN (WLAN) *
Intel® 802.11 a/b/g/n (2x2) with Bluetooth® v4.0 Combo
Intel® 802.11 a/b/g/n (2x2) AC with Bluetooth® v4.0 Combo

* Wireless access point and internet service required and not included. Availability of public wireless access points limited.

AUDIO/MULTIMEDIA

Audio
High Definition Audio support
Stereo speakers
Headphone / Microphone Combo Jack
One digital microphone with echo cancellation and noise suppression appropriate software
Webcam*
HP TrueVision HD**

- HD** camera - Fixed (no tilt) + activity LED, USB 2.0, M-JPEG
- 1280x720 by 30 frames per second
- Single Digital Microphones w/ appropriate software - echo cancellation, noise suppression

* Internet access required and not included.
** High definition (HD) content is required to view high-definition images.

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard
The Jack Black, textured, island-style Chrome OSTM keyboard features full-pitch key layout with features such as isolated inverted-T cursor control keys, editing keys, both left and right control and alt keys, and 12 function keys. International key layouts are available. Other features include hotkeys for instant access to, brightness, etc. 19-mm x 19-mm key pitch (center-to-center spacing), 2.2-mm stroke, comfort-dished keycaps, and bright key legends for improved visibility in low light conditions.

Pointing Devices
Clickpad with multitouch gestures enabled

Buttons and Function Keys
Power key, Search key, Back, Forward, Refresh, Full Screen, Switch window

SOFTWARE AND SECURITY

Features

Preinstalled Software
Chrome OS™ and its default set of apps

Security
TPM 1.2 Embedded Security Chip
Sign-in with your Google credentials
Lock slot
Kensington Security Lock (Sold separately)

POWER

Power Supply
External HP 45W Smart AC Adapter*
External 65W EM Smart AC Adapter (India only)
Power cord included is 3.3-foot (1.0 meter)

*AC adapter uses a 90 degree 4.5mm DC plug

Primary Battery
3-cell (36 WHr) Lithium –Ion Polymer battery

Battery Life*
Up to 9.5 hours on 2 GB Memory WiFi model with 3-cell (36 WHr)
Up to 8.5 hours on 4 GB Memory WiFi/WWAN model with 3-cell (36 WHr)

*Testing conducted by HP using Google Chrome OS power_LoadTest. Battery life will vary and the maximum capacity of the battery will naturally decrease with time and usage. See http://www.chromium.org/chromium-os/testing/power-testing for test details.

Power Conservation
ENERGY STAR® qualified
EPEAT Silver compliant

WEIGHTS & DIMENSIONS

Weight
Starting at 2.83 lbs (1.28 kg)
Dimensions (w x d x h)
11.81 x 8.1 x 0.81 in
300 x 205.7 x 20.45 mm

NOTE: Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components. Weight includes 3-cell battery, solid state drive, and 2 GB memory.

PORTS/SLOTS

Ports

Features

AC Smart Pin adapter plug (4.5mm barrel) – One
Headphone/Microphone combo jack – One
USB 3.0 –Charging One (right side)
USB 2.0 – One (right side)
HDMI v1.4b – One

HP Multi-Format Digital Media Card Reader
Reader supports SD/SDHC/SDXC up to UHS-50

COUNTRY OF ORIGIN

Made in China

SERVICE AND SUPPORT

HP Services offers limited 1-year warranty depending on country; 1-year limited warranty on primary battery. On-site service is also available with optional HP Care Services*,** which extend protection beyond the standard limited warranty. To choose the right level of service for your HP product, use the HP Care Services Lookup Tool at: http://www.hp.com/go/lookuptool. Additional HP Care Services*,** information by product is available at: www.hp.com/go/cpc.

* Sold separately or as an optional feature.
** Service levels and response times for HP Care Services may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc.

NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.
http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp

ENVIRONMENTAL

Eco-Label Certifications & declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks: • IT ECO declaration • US ENERGY STAR® • EPEAT <Silver> registered in the United States. See http://www.epeat.net for registration status in your country.
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a “Typically Configured Notebook”.

Energy Consumption (in accordance with US ENERGY STAR® test method)	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 60Hz**
Normal Operation (Short idle)	4.27 W	4.52 W	4.24 W

Features

Normal Operation (Long idle)	2.46 W	2.65 W	2.48 W
Sleep	0.43 W	0.45 W	0.43 W
Off	0.21 W	0.24 W	0.21 W

Note:
Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.

Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 60Hz**
Normal Operation (Short idle)	15 BTU/hr	15 BTU/hr	15 BTU/hr
Normal Operation (Long idle)	8 BTU/hr	9 BTU/hr	8 BTU/hr
Sleep	1 BTU/hr	2 BTU/hr	1 BTU/hr
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr

*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)	Sound Power (L_{WAd}, bels)	Sound Pressure (L_{pAm}, decibels)
Typically Configured – Idle	2.7	21
Fixed Disk – Random writes	2.8	21

Longevity and Upgrading

This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include:

- 3 USB ports
- 1 PC card slot (type I/II)
- 1 ExpressCard/54 slot
- 1 IEEE 1394 Port
- 2 SODIMM memory slots
- Optional expansion base docking station
- 1 multi-bay II storage port
- Interchangeable HDD

Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.

Features

Batteries

This battery(s) in this product comply with EU Directive 2006/66/EC

Batteries used in the product do not contain:
Mercury greater the1ppm by weight
Cadmium greater than 20ppm by weight

Battery size: Main Battery pack - 3-cell high capacity Lithium-Ion battery
Battery type: Lithium ion

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- This product is in compliance with the IEEE 1680 (EPEAT) standard at the <Silver> level, see www.epeat.net
- Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.
- This product contains 0% post-consumer recycled plastic (by wt.)
- This product is 96.5% recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	360 g
Internal:	PLASTIC/EPE (Expanded Polyethylene)	14.4 g
	PLASTIC/Polyethylene low density	11 g

The plastic packaging material contains at least 0% recycled content.
The corrugated paper packaging materials contains at least 80% recycled content.

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/qse.pdf):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)

Features

- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging Usage

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard Corporate Environmental Information

For more information about HP's commitment to the environment:

Global Citizenship Report
http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html
Eco-label certifications
http://www8.hp.com/us/en/hp-information/environment/ecolabels.html
ISO 14001 certificates:
http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC_GBU_Product_Design_ISO_14K_Certificate.pdf
and
http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf

Options and Accessories (sold separately and availability may vary by country)

Type	Description	Part Number
Carrying Cases	HP Slim Ultrabook Messenger (up to 15.6" x .88"/22/5mm)	F3W14AA
	HP Slim Ultrabook Top Load (up to 15.6" x .88"/22/5mm)	F3W15AA
Docking	HP Display and Notebook Stand II	E8G00AA#xxx
	HP Dual Hinge II Notebook Stand	E8F99AA#xxx
Input/Output	USB Stylish Keyboard & Mouse Bundle	H4B80AA#xxx
	HP Slim Bluetooth Mouse	F3J92AA
Monitors	HP EliteDisplay E271i 27-inch IPS LED Monitor	D7Z72AA/A8/AS/AT
	HP EliteDisplay E231 23-inch LED Monitor	C9V75AA/A8/AS/AT
	HP EliteDisplay E201 20-inch LED Monitor	C9V73AA/A8/AS/AT
	HP ProDisplay P221 21.5" LED Monitor	C9E49AA/A8/AS/AT
	HP ProDisplay P201 20" LED Monitor	C9F26AA/A8/AS/AT

Summary of Changes

Date of change:	Version History:		Description of change:
September 22, 2014	From v1 to v2	Added	Environmental section, change log, cNumber

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